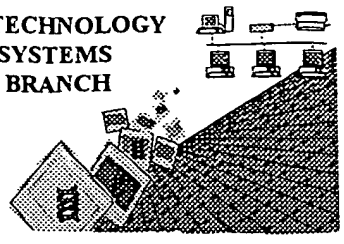BIOTECHNOLOGY
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Application Serial Number: _09/492,764A_
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Date Processed by STIC: _2/11/2002_

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   Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
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1642

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/492,764A

DATE: 02/11/2002
TIME: 14:24:25

Input Set : A:\10873-008-999.txt
Output Set: N:\CRF3\02112002\I492764A.raw

PP 2 15

Does Not Comply
Corrected Diskette Needed

```
 5 <110> APPLICANT: Jove, Richard
 7        Dalton, WIlliam
 9        Sebti, Said
11        Yu, Hua
13        Heller, Richard
15        Jaroszeski, Mark
17        Gilbert, Richard
19        Hamilton, Andrew
22 <120> TITLE OF INVENTION: INHIBITION OF STAT3 SIGNAL TRANSDUCTION FOR HUMAN CANCER
THERAPY
26 <130> FILE REFERENCE: 10873-008-999
30 <140> CURRENT APPLICATION NUMBER: 09/492,764A
32 <141> CURRENT FILING DATE: 2000-01-27
36 <150> PRIOR APPLICATION NUMBER: 60/117,600
38 <151> PRIOR FILING DATE: 1999-01-27
42 <160> NUMBER OF SEQ ID NOS: 38
46 <170> SOFTWARE: PatentIn version 3.0
50 <210> SEQ ID NO: 1
52 <211> LENGTH: 24
54 <212> TYPE: DNA
56 <213> ORGANISM: Homo sapiens
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66 <211> LENGTH: 24
68 <212> TYPE: DNA
70 <213> ORGANISM: Homo sapiens
74 <400> SEQUENCE: 2
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78 <210> SEQ ID NO: 3
80 <211> LENGTH: 22
82 <212> TYPE: DNA
84 <213> ORGANISM: Homo sapiens
88 <400> SEQUENCE: 3
89 gtcccccggc cggggaggcg ct                                      22
92 <210> SEQ ID NO: 4
94 <211> LENGTH: 25
96 <212> TYPE: DNA
98 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 4
103 cgacgacttc tcccgccgct accgc                                  25
106 <210> SEQ ID NO: 5
108 <211> LENGTH: 25
110 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 02/11/2002
PATENT APPLICATION: US/09/492,764A   TIME: 14:24:25

          Input Set : A:\10873-008-999.txt
          Output Set: N:\CRF3\02112002\I492764A.raw

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112 <213> ORGANISM: Homo sapiens
116 <400> SEQUENCE: 5
117 ccgcatgctg gggccgtaca gttcc                                    25
120 <210> SEQ ID NO: 6
122 <211> LENGTH: 20
124 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapiens
130 <400> SEQUENCE: 6
131 cgggcattca gtgacctgac                                          20
134 <210> SEQ ID NO: 7
136 <211> LENGTH: 20
138 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 7
145 tcaggaacca gcggttgaag                                          20
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150 <211> LENGTH: 20
152 <212> TYPE: DNA
154 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 8
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162 <210> SEQ ID NO: 9
164 <211> LENGTH: 20
166 <212> TYPE: DNA
168 <213> ORGANISM: Homo sapiens
172 <400> SEQUENCE: 9
173 gcgtgctagc tggatgtctt                                          20
176 <210> SEQ ID NO: 10
178 <211> LENGTH: 9
180 <212> TYPE: DNA
182 <213> ORGANISM: Homo sapiens
186 <400> SEQUENCE: 10
187 ttcggagaa                                                       9
190 <210> SEQ ID NO: 11
192 <211> LENGTH: 9
194 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
200 <400> SEQUENCE: 11
201 tgaggataa                                                       9
204 <210> SEQ ID NO: 12
206 <211> LENGTH: 12
208 <212> TYPE: PRT
210 <213> ORGANISM: Homo sapiens
214 <220> FEATURE:
216 <221> NAME/KEY: misc_feature          Xaa "N" is used in nucleotide sequence.
218 <223> OTHER INFORMATION: N= S OR P
222 <400> SEQUENCE: 12
W--> 224 His Tyr Xaa Pro Ile Leu Val Tyr Gln Pro Ser Trp
225 1              5                    10
```

RAW SEQUENCE LISTING   DATE: 02/11/2002
PATENT APPLICATION: US/09/492,764A   TIME: 14:24:25

Input Set : A:\10873-008-999.txt
Output Set: N:\CRF3\02112002\I492764A.raw·

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227 <210> SEQ ID NO: 13
229 <211> LENGTH: 12
231 <212> TYPE: PRT
233 <213> ORGANISM: Homo sapiens
237 <400> SEQUENCE: 13
239 Gln Asp Val His Leu Thr Gln Gln Ser Arg Tyr Thr
240 1               5                   10
242 <210> SEQ ID NO: 14
244 <211> LENGTH: 12
246 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
252 <400> SEQUENCE: 14
254 Ser His Pro Trp Asn Ala Gln Arg Glu Leu Ser Val
255 1               5                   10
257 <210> SEQ ID NO: 15
259 <211> LENGTH: 12
261 <212> TYPE: PRT
263 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 15
269 Tyr Pro Ala Pro Gln Pro Leu Val Thr Lys Thr Ser
270 1               5                   10
272 <210> SEQ ID NO: 16
274 <211> LENGTH: 12
276 <212> TYPE: PRT
278 <213> ORGANISM: Homo sapiens
282 <400> SEQUENCE: 16
284 Phe Ser Tyr Pro Leu Thr Arg Ala Pro Leu Asn Met
285 1               5                   10
287 <210> SEQ ID NO: 17
289 <211> LENGTH: 7
291 <212> TYPE: PRT
293 <213> ORGANISM: Homo sapiens
297 <400> SEQUENCE: 17
299 His Ala Ile Tyr Pro Arg Asn
300 1               5
302 <210> SEQ ID NO: 18
304 <211> LENGTH: 7
306 <212> TYPE: PRT
308 <213> ORGANISM: Homo sapiens
312 <400> SEQUENCE: 18
314 Ala Ser Thr Leu Pro Lys Ala
315 1               5
317 <210> SEQ ID NO: 19
319 <211> LENGTH: 7
321 <212> TYPE: PRT
323 <213> ORGANISM: Homo sapiens
327 <400> SEQUENCE: 19
329 Ile Gln Ser Pro His Phe Phe
330 1               5
```

```
332 <210> SEQ ID NO: 20
334 <211> LENGTH: 6
336 <212> TYPE: PRT
338 <213> ORGANISM: Homo sapiens
342 <220> FEATURE:
344 <221> NAME/KEY: misc_feature
346 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
350 <400> SEQUENCE: 20
352 Pro Xaa Leu Lys Thr Lys
353 1               5
355 <210> SEQ ID NO: 21
357 <211> LENGTH: 6
359 <212> TYPE: PRT
361 <213> ORGANISM: Homo sapiens
365 <400> SEQUENCE: 21
367 Pro Tyr Leu Lys Thr Lys
368 1               5
370 <210> SEQ ID NO: 22
372 <211> LENGTH: 6
374 <212> TYPE: PRT
376 <213> ORGANISM: Homo sapiens
380 <220> FEATURE:
382 <221> NAME/KEY: misc_feature
384 <223> OTHER INFORMATION: X= PHOSPHOTYROSINE
388 <400> SEQUENCE: 22
390 Ala Xaa Leu Lys Thr Lys
391 1               5
393 <210> SEQ ID NO: 23
395 <211> LENGTH: 6
397 <212> TYPE: PRT
399 <213> ORGANISM: Homo sapiens
403 <220> FEATURE:
405 <221> NAME/KEY: misc_feature
407 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
411 <400> SEQUENCE: 23
413 Pro Xaa Ala Lys Thr Lys
414 1               5
416 <210> SEQ ID NO: 24
418 <211> LENGTH: 6
420 <212> TYPE: PRT
422 <213> ORGANISM: Homo sapiens
426 <220> FEATURE:
428 <221> NAME/KEY: misc_feature
430 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
434 <400> SEQUENCE: 24
436 Pro Xaa Leu Ala Thr Lys
437 1               5
439 <210> SEQ ID NO: 25
441 <211> LENGTH: 6
```

```
443 <212> TYPE: PRT
445 <213> ORGANISM: Homo sapiens
449 <220> FEATURE:
451 <221> NAME/KEY: misc_feature
453 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
457 <400> SEQUENCE: 25
459 Pro Xaa Leu Lys Ala Lys
460 1               5
462 <210> SEQ ID NO: 26
464 <211> LENGTH: 6
466 <212> TYPE: PRT
468 <213> ORGANISM: Homo sapiens
472 <220> FEATURE:
474 <221> NAME/KEY: misc_feature
476 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
480 <400> SEQUENCE: 26
482 Pro Tyr Leu Lys Thr Ala
483 1               5
485 <210> SEQ ID NO: 27
487 <211> LENGTH: 4
489 <212> TYPE: PRT
491 <213> ORGANISM: Homo sapiens
495 <220> FEATURE:
497 <221> NAME/KEY: misc_feature
499 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
503 <400> SEQUENCE: 27
505 Pro Xaa Leu Lys
506 1
508 <210> SEQ ID NO: 28
510 <211> LENGTH: 4
512 <212> TYPE: PRT
514 <213> ORGANISM: Homo sapiens
518 <220> FEATURE:
520 <221> NAME/KEY: misc_feature
522 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
526 <400> SEQUENCE: 28
528 Pro Xaa Phe Lys
529 1
531 <210> SEQ ID NO: 29
533 <211> LENGTH: 3
535 <212> TYPE: PRT
537 <213> ORGANISM: Homo sapiens
541 <220> FEATURE:
543 <221> NAME/KEY: misc_feature
545 <223> OTHER INFORMATION: X = PHOSPHOTYROSINE
549 <400> SEQUENCE: 29
551 Xaa Leu Lys
552 1
554 <210> SEQ ID NO: 30
```

Xaa isn't shown in this sequence. (handwritten annotation)

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY   DATE: 02/11/2002
PATENT APPLICATION: US/09/492,764A   TIME: 14:24:26

Input Set : A:\10873-008-999.txt
Output Set: N:\CRF3\02112002\I492764A.raw

```
L:224 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:12
L:224 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:352 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:20
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:390 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:22
L:390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:413 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:23
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:436 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:24
L:436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:459 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:25
L:459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:505 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:27
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:528 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:28
L:528 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:551 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:29
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:574 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:30
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:612 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32
L:612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:650 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:34
L:650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:673 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:35
L:673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:696 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:36
L:696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:719 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:37
L:719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:742 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:38
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
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